AMENDMENTS TO THE CLAIMS

1. - 2. (Canceled)

3. (Currently Amended) An isolated fructosylamine oxidase enzyme from Fusarium proliferatum, which has the following physicochemical characteristics:

(1) It is almost equally or more active on fructosyl valine as compared to fructosyl lysine;

(2) The optimum pH for its enzyme reaction is 7.5;

(3) The optimum temperature for stability of the enzyme is about 30-40°C; and

(4) The molecular weight of the enzyme is about 39 kDa when estimated by SDS-PAGE, and is about 39.4 kDa when estimated by gel filtration, wherein said The fructosylamine oxidase of claim 2 which comprises the amino acid sequence shown in SEQ ID NO: 4.

4. (Canceled)

- 5. (**Original**) An isolated fructosylamine oxidase enzyme from *Fusarium proliferatum*, which has the following physicochemical characteristics:
 - (1) It is not detectably active on fructosyl lysine but is active on fructosyl valine;
 - (2) The optimum pH for its enzyme reaction is 7;
 - (3) The optimum temperature for stability of the enzyme is about 30-40°C; and
- (4) The molecular weight of the enzyme is about 49 kDa when estimated by SDS-PAGE, and is about 58 kDa when estimated by gel filtration, wherein said The-fructosylamine oxidase of claim 4, which comprises the amino acid sequence shown in SEQ ID NO: 6.

6. - 11. (Canceled)